

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

**NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP**

Application No. PA0289736
APS ID 1043180
Authorization ID 1361570

Applicant, Facility and Project Information

Applicant Name	<u>Nicholas Castaldi</u>	Facility Name	<u>Nicholas Castaldi SRSTP</u>
Applicant Address	<u>117 James Circle</u> <u>New Castle, PA 16102-2711</u>	Facility Address	<u>James Circle</u> <u>New Castle, PA 16102</u>
Applicant Contact	<u>Nicholas Castaldi</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 944-4000</u>	Facility Phone	<u></u>
Applicant E Mail	<u>ncastfam@hotmail.com</u>	Facility E Mail	<u></u>
Municipality	<u>North Beaver Township</u>	County	<u>Lawrence</u>
Client ID	<u>364195</u>	Site ID	<u>849456</u>
SIC Code	<u>8800</u>	SIC Code	<u>4952</u>
SIC Description	<u>Private Households</u>	SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>
Application Received	<u>June 30, 2021</u>	WQM Required	<u>Yes- pending</u>
Application Accepted	<u>August 18, 2021</u>	WQM App. No.	<u>3721404</u>
Project Description	<u>New treated small flow sewage discharge</u>		

Summary of Review

No violations reported

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Approve	Deny	Signatures	Date
X		<i>William H. Mentzer</i> William H. Mentzer, P.E. Environmental Engineering Specialist	August 18, 2021
X		Justin C. Dickey Justin C. Dickey, P.E. Environmental Engineer Manager	August 23, 2021

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0004</u>
Latitude DP	<u>40° 59' 16.22"</u>	Longitude DP	<u>-80° 26' 14.32"</u>
Latitude NHD	<u>40° 59' 16.44"</u>	Longitude NHD	<u>-80° 26' 13.96"</u>
Quad Name	<u>Bessemer</u>	Quad Code	<u>1102</u>
Wastewater:	<u>Treated single residence domestic waste</u>		
Receiving Waters	<u>Unnamed Tributary to Mahoning River</u>	Stream Code	<u>35431</u>
NHD Com ID	<u>125560997</u>	RMI	<u>1.70</u>
Drainage Area	<u>1.0</u>	Yield (cfs/mi ²)	<u>0.023077</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.023 (0.015-MGD)</u>	Q ₇₋₁₀ Basis	<u>Coolspring Creek</u>
Elevation (ft)	<u>988.12</u>	Slope (ft/ft)	<u>0.00846</u>
Watershed No.	<u>20-B</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u>statewide</u>	Existing Use Qualifier	<u>none</u>
Exceptions to Use	<u>none</u>	Exceptions to Criteria	<u>none</u>
Comment	<u>Discharge at NHD Node RMI 0.73</u>		
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>NUTRIENTS</u>		
Source(s) of Impairment	<u>AGRICULTURE</u>		
TMDL Status	_____	Name	_____
Background/Ambient Data		Data Source	
pH (SU)	_____		_____
Temperature (°F)	_____		_____
Hardness (mg/L)	_____		_____
Other:	_____		_____
Nearest Downstream Public Water Supply Intake	<u>Beaver Falls</u>		
PWS Waters	<u>Beaver River</u>	Flow at Intake (cfs)	<u>NA</u>
PWS RMI	<u>5.39</u>	Distance from Outfall (mi)	<u>22.53</u>

Changes Since Last Permit Issuance: none

Other Comments: none

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (GPD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Upon Request	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001 after disinfection

Other Comments: UV radiation requirements are on the Annual Maintenance Report (AMR)